

ABSTRACT OF THE DISCLOSURE

5 The present invention provides novel,
isolated, tumor-associated antigens, and methods
for identifying such antigens in a biological
sample, and of screening for the presence of such
an antigen in a biological specimen, wherein the
tumor antigen identified reacts with serum from a
10 subject treated with a vaccine comprising a
cytokine and proliferation-incompetent tumor cells
which express the tumor-associated antigen. Also
provided are kits for carrying out the methods of
the invention.

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